QIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

Fig. 1

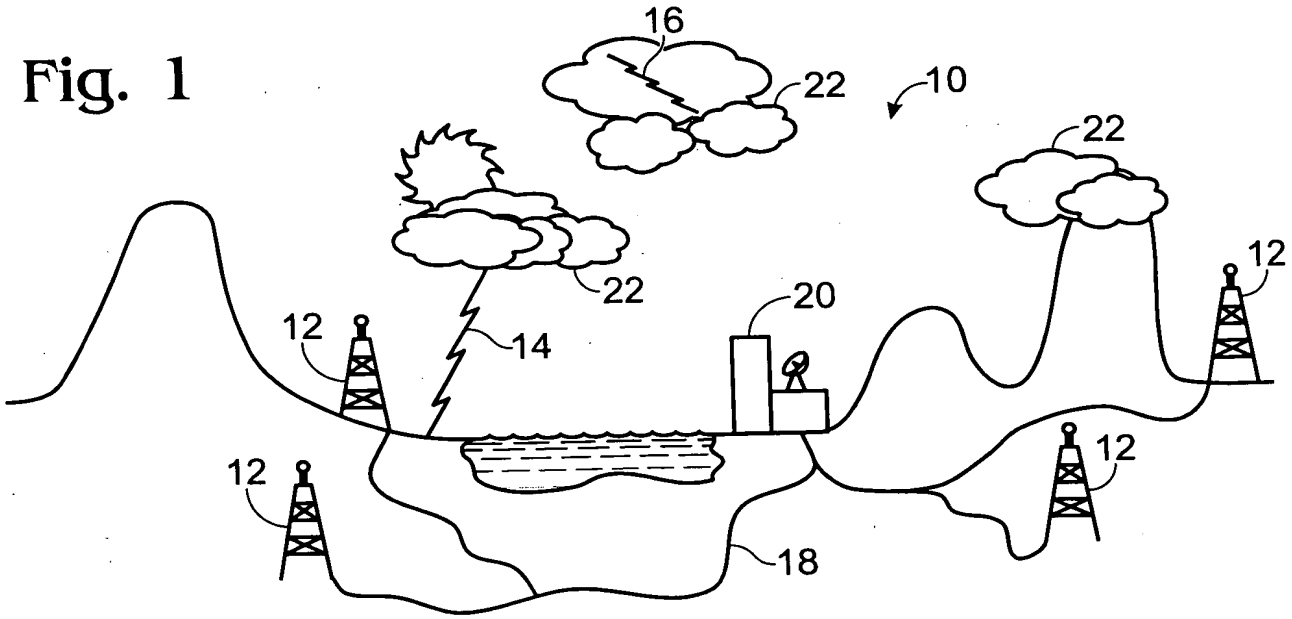
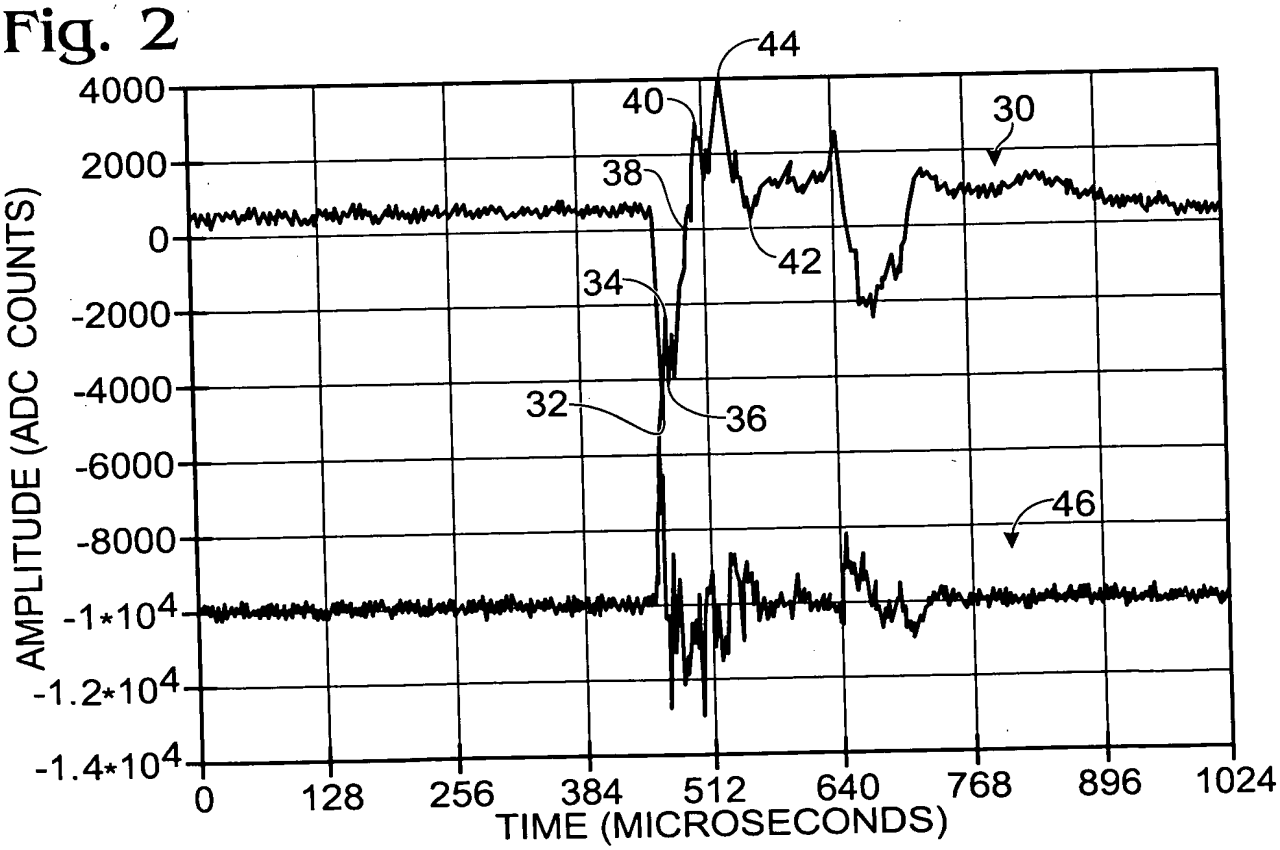


Fig. 2



OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
SC185

Fig. 3

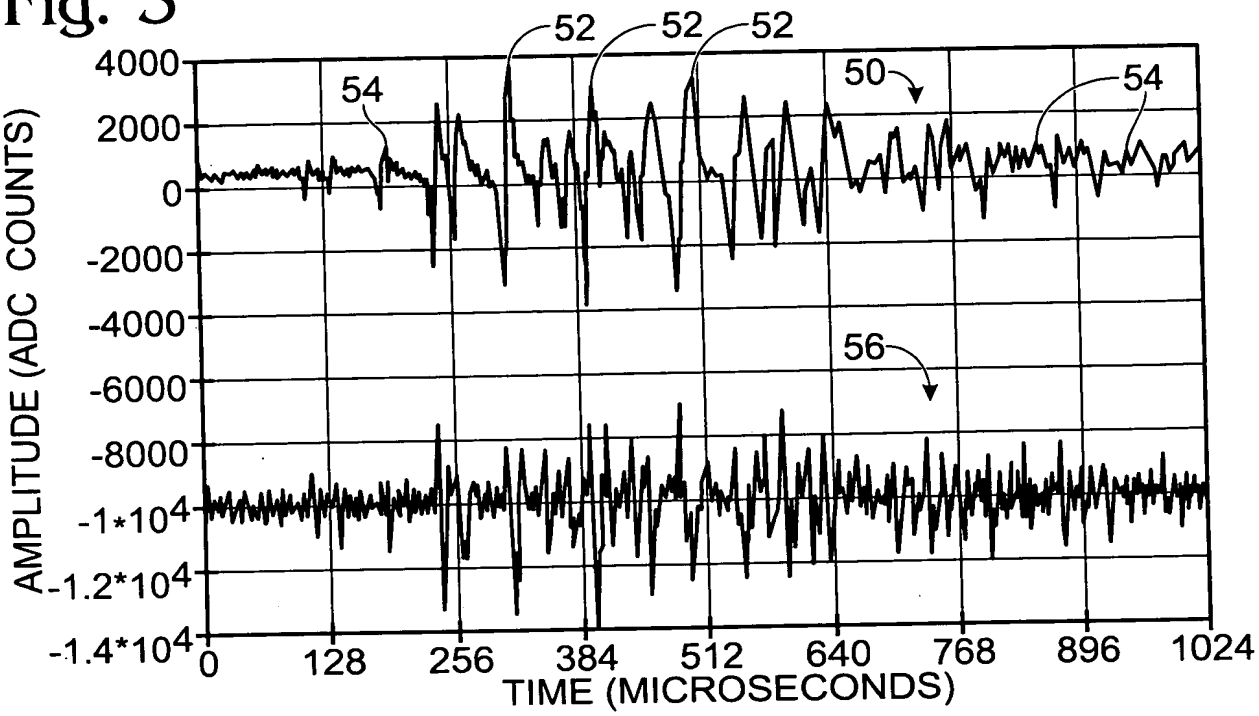
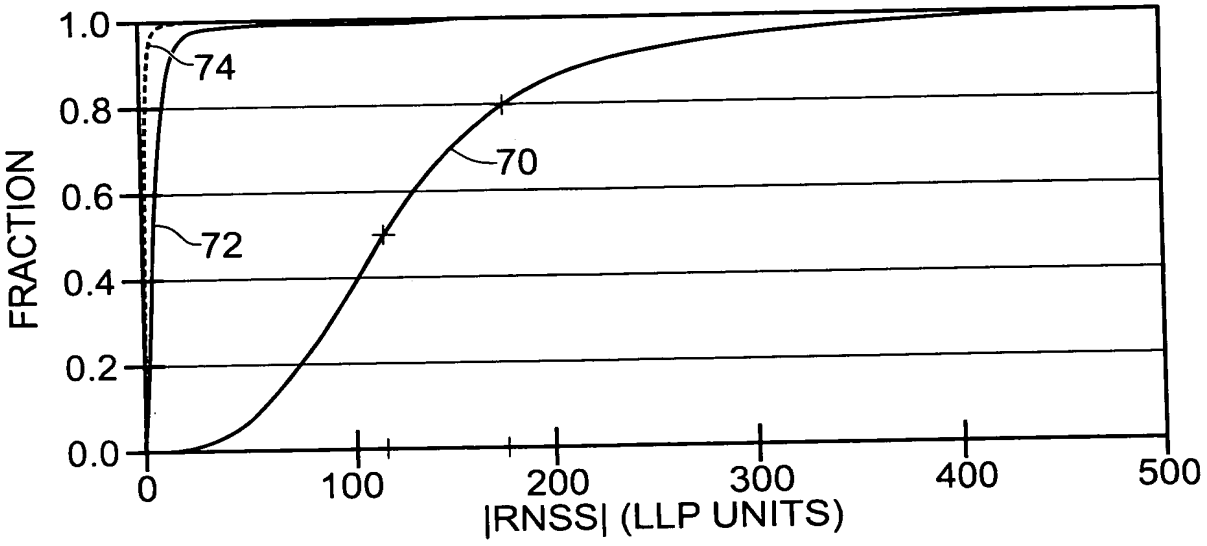


Fig. 4



OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

Fig. 5

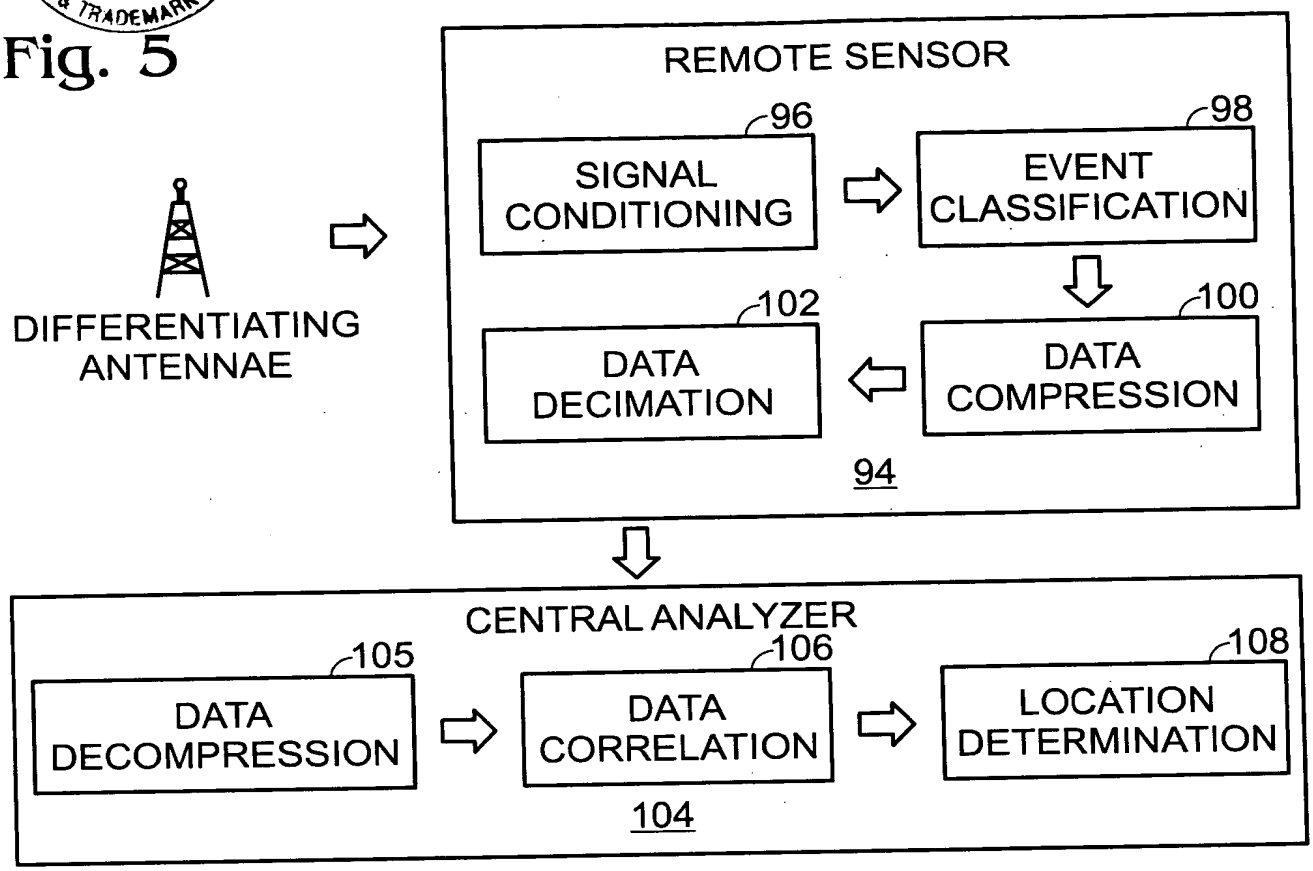
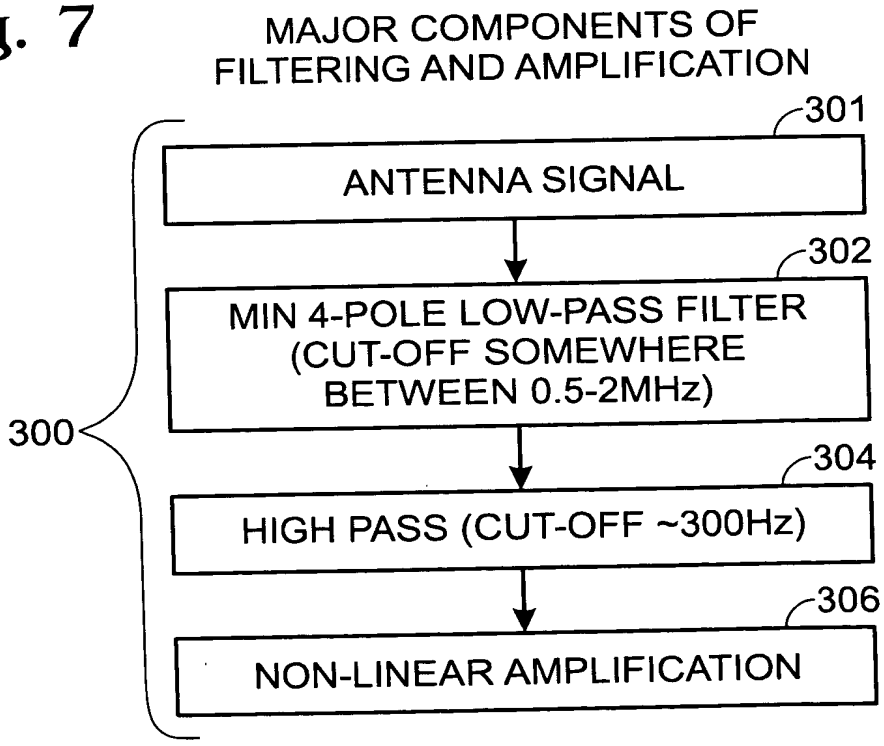


Fig. 7



OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

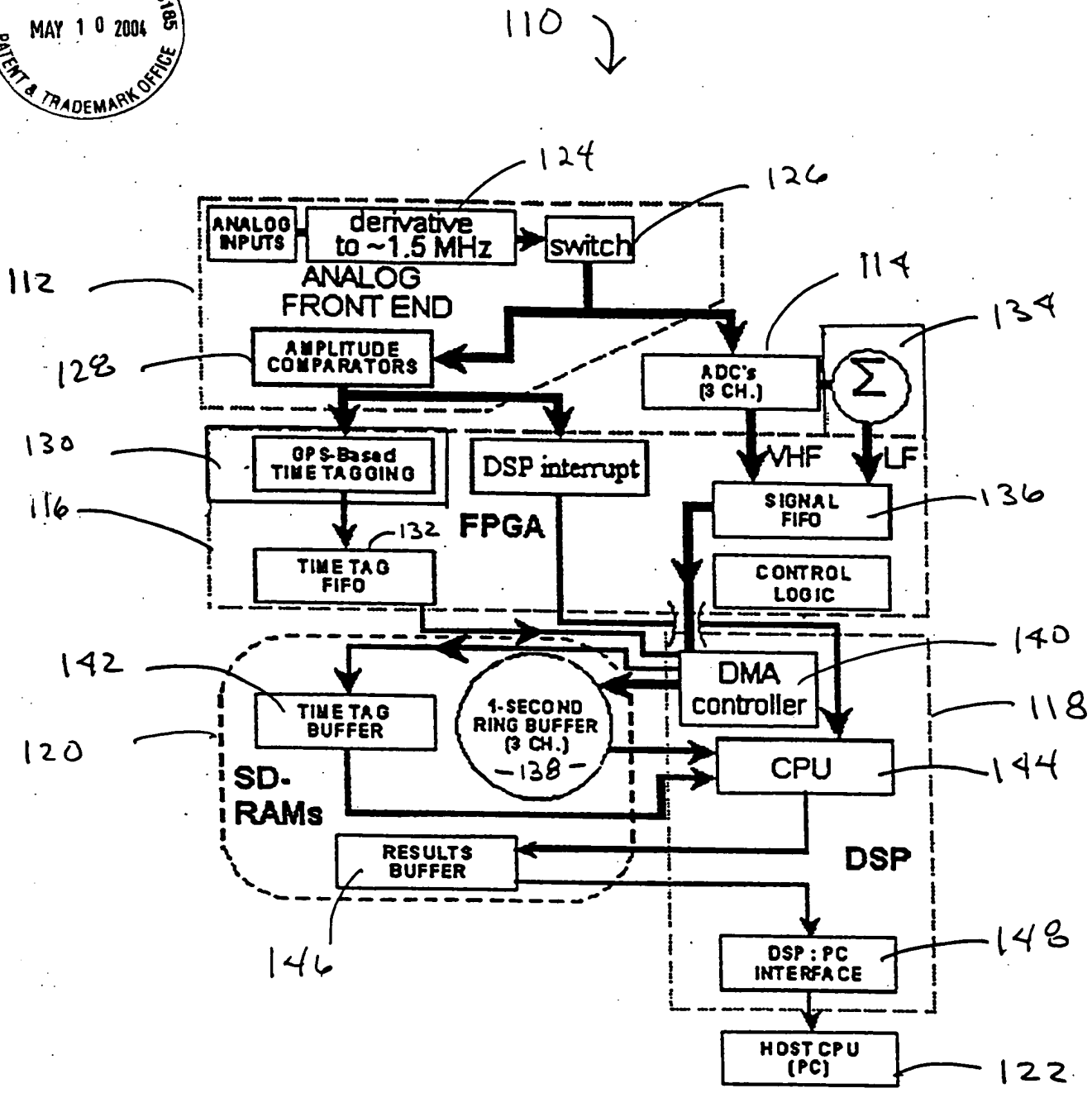


FIG. 6

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

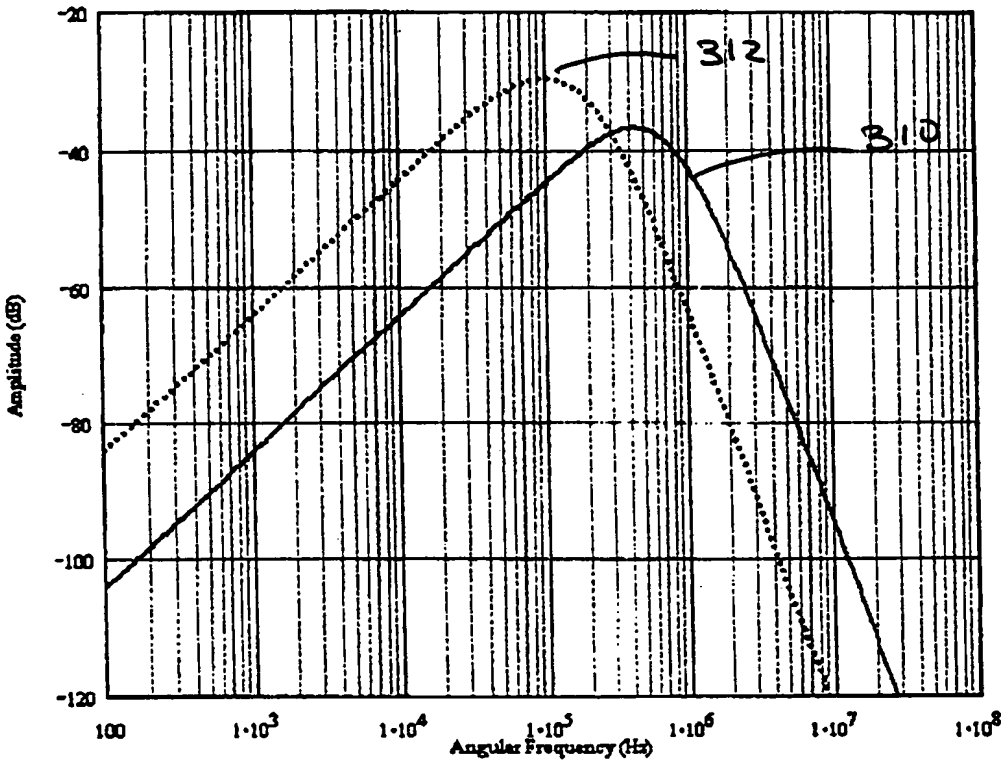


FIG. 8

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

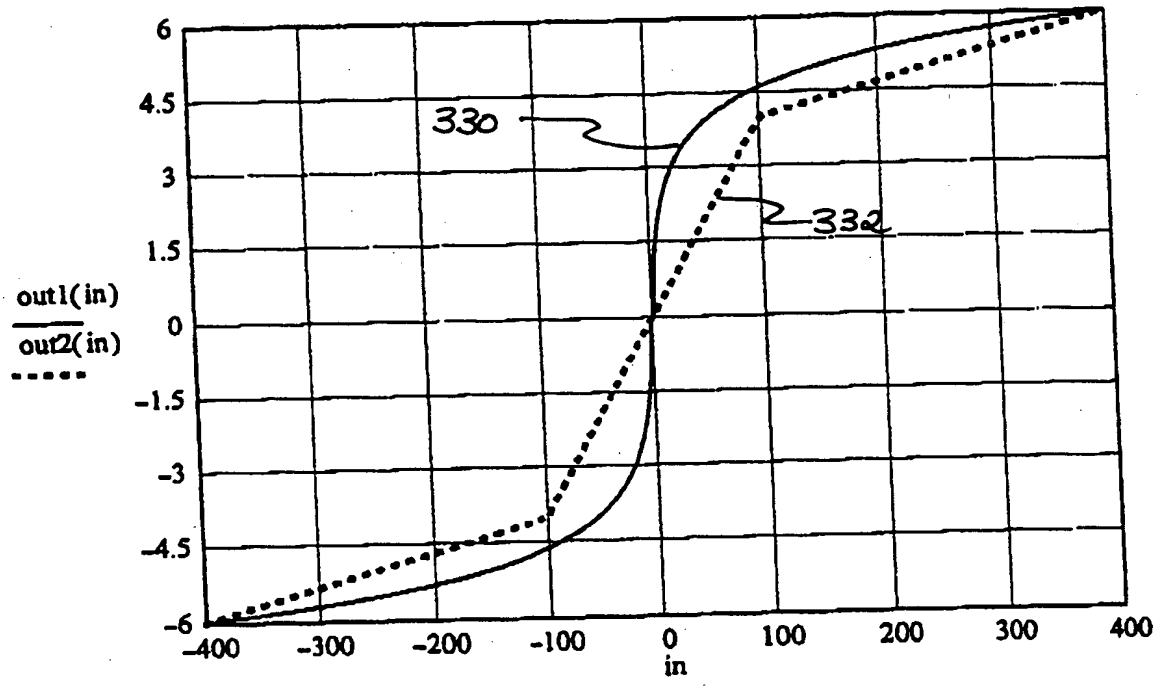


FIG. 9

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

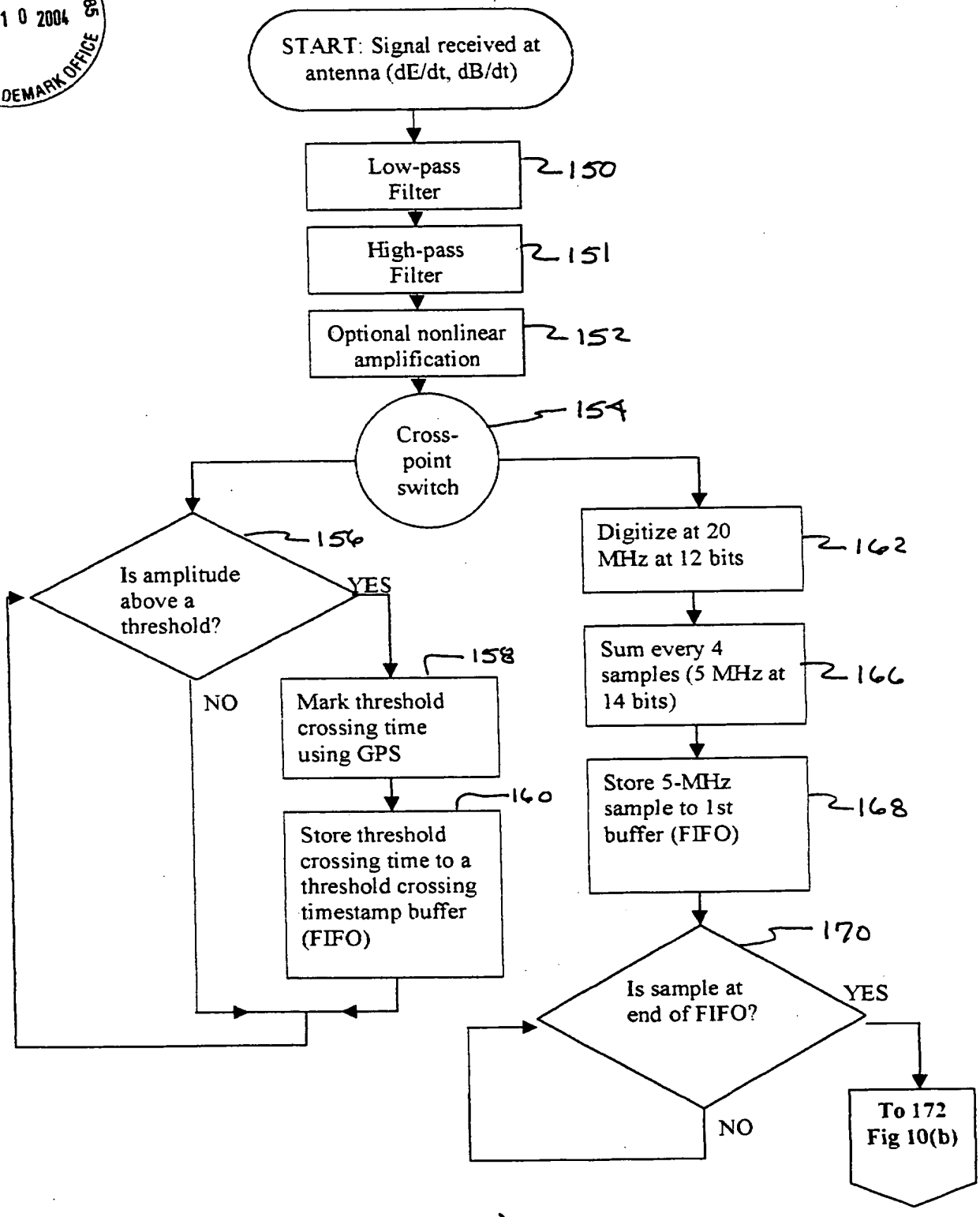


Fig. 10(a)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
JC185

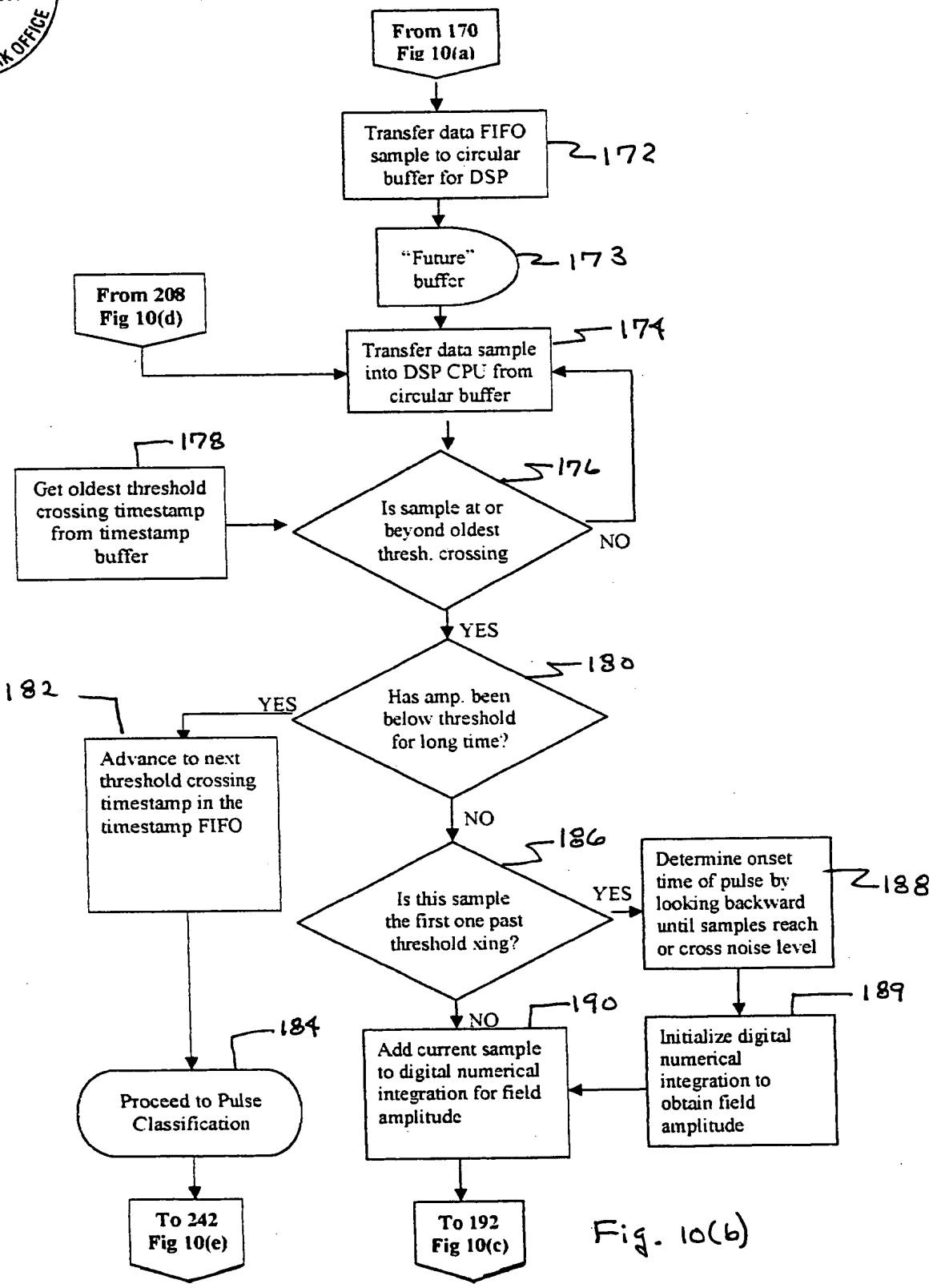


Fig. 10(b)

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

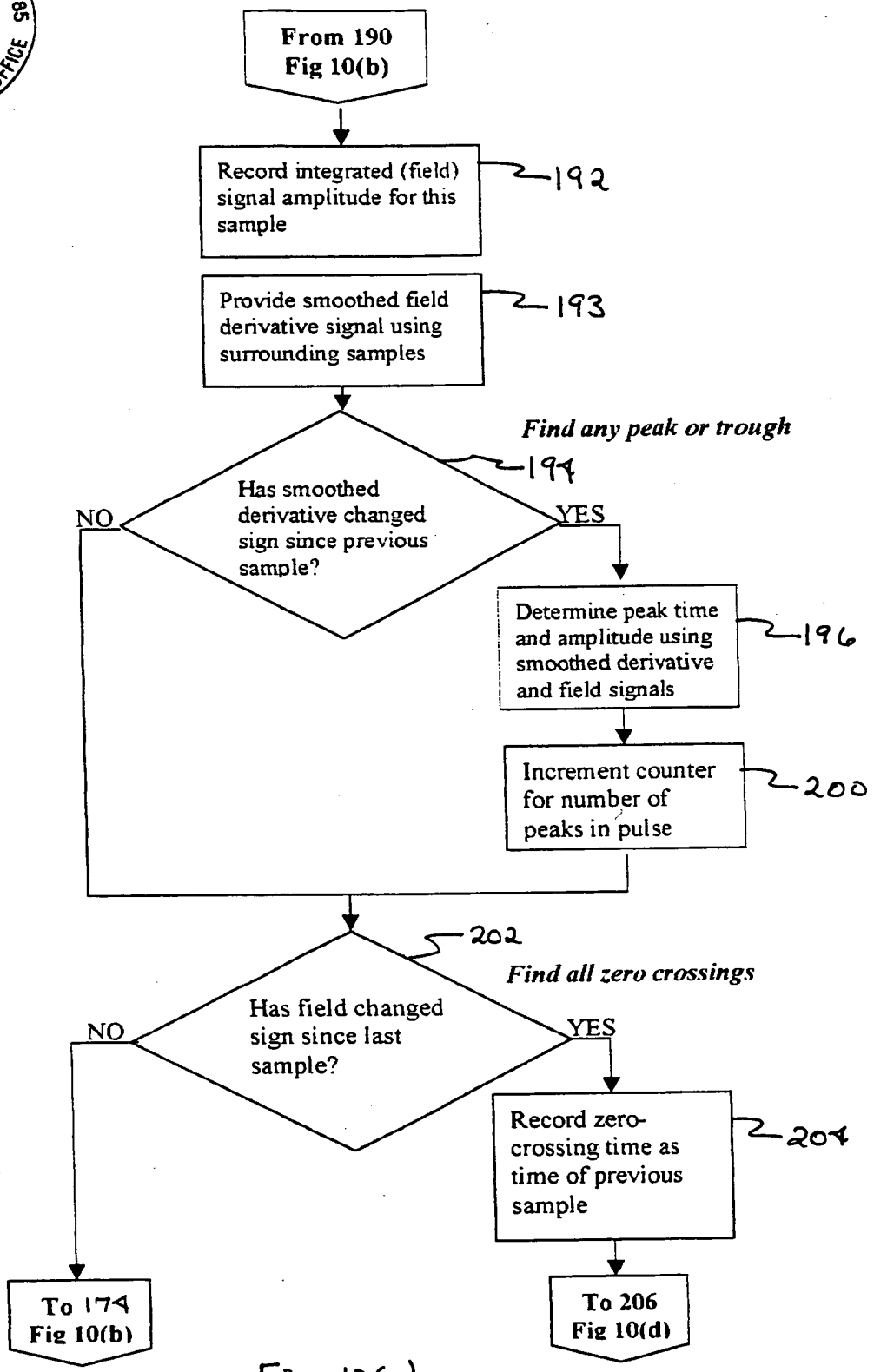


Fig. 10(c)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
JC185

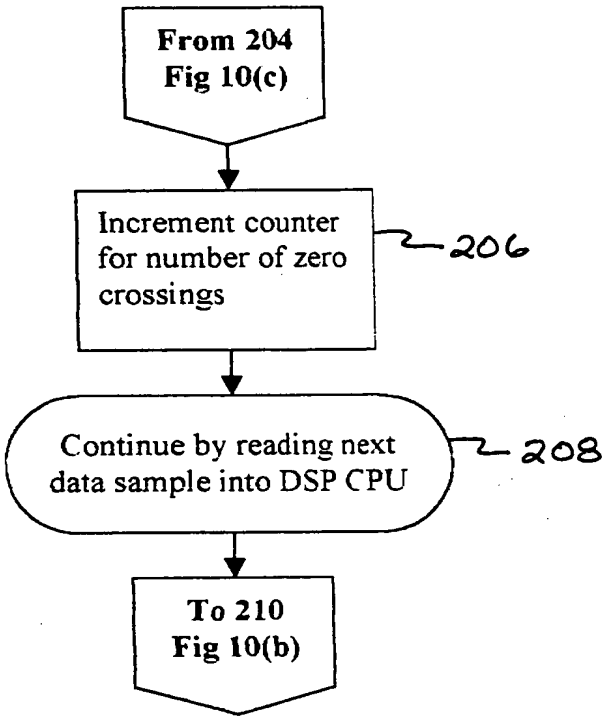


Fig. 10(d)

OIPE JC185 MAY 10 2004 PATENT & TRADEMARK OFFICE

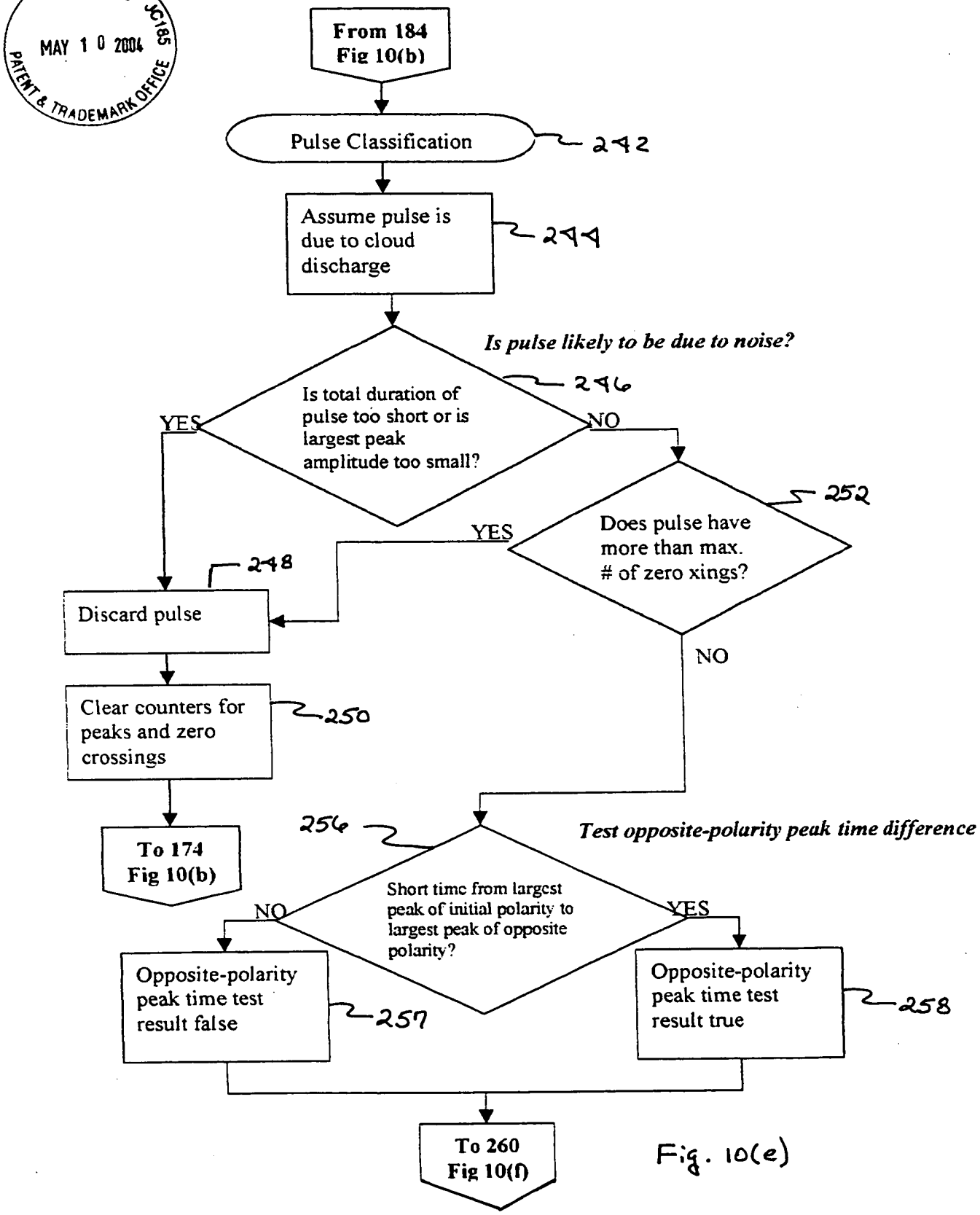


Fig. 10(e)

OIPE
MAY 10 2004
JC185
PATENT & TRADEMARK OFFICE

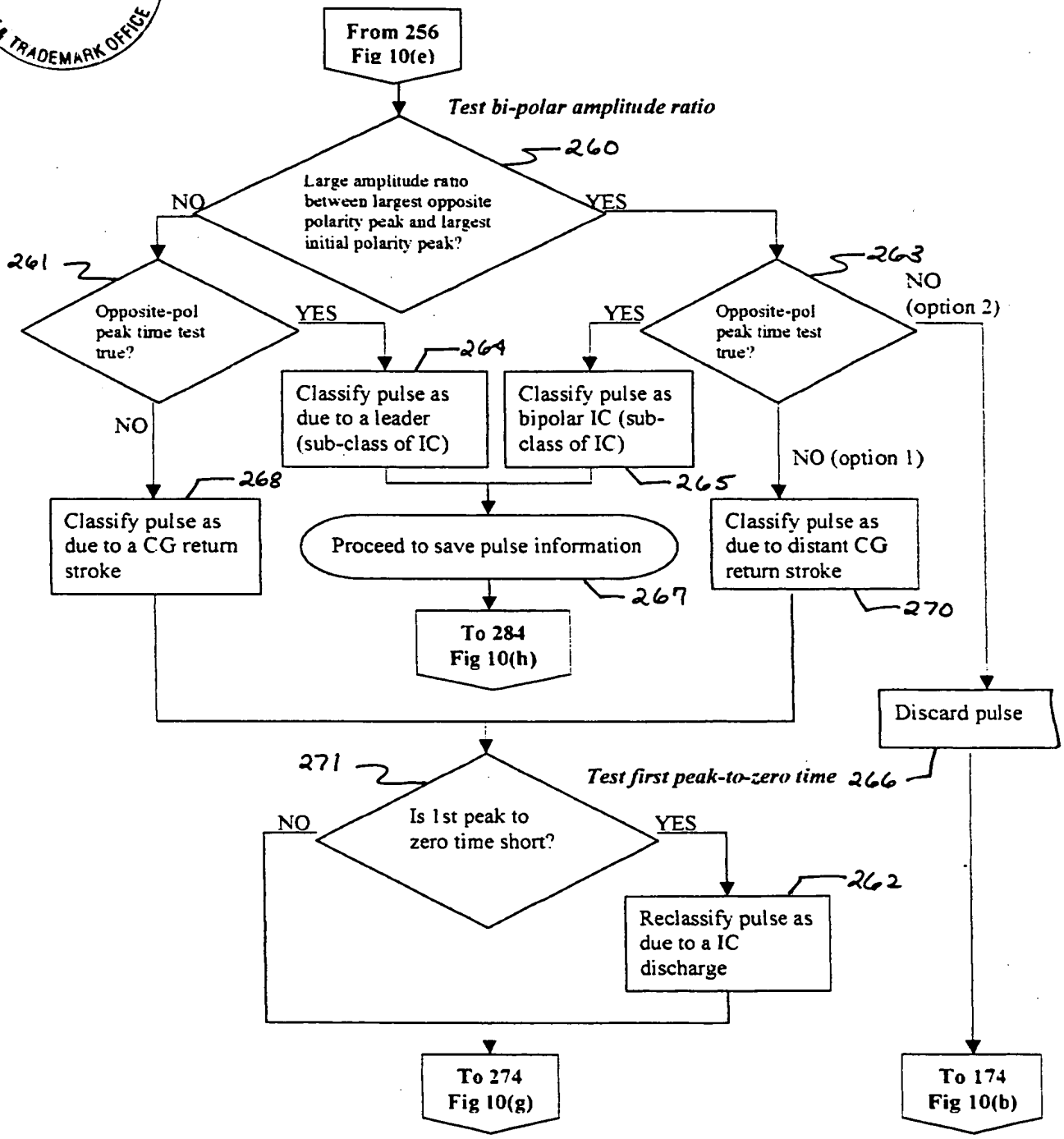


Fig. 10(f)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

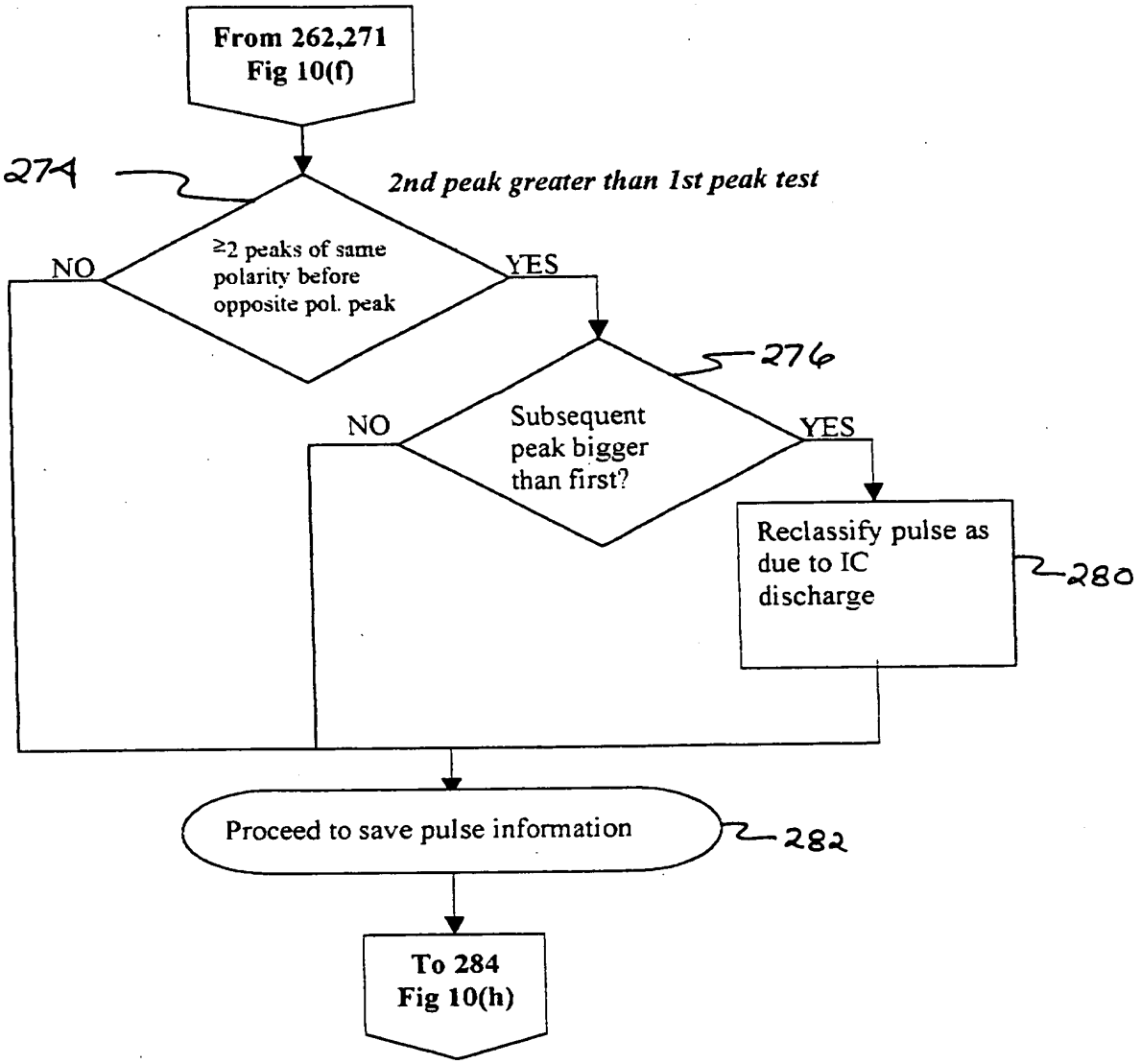


Fig. 10(g)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

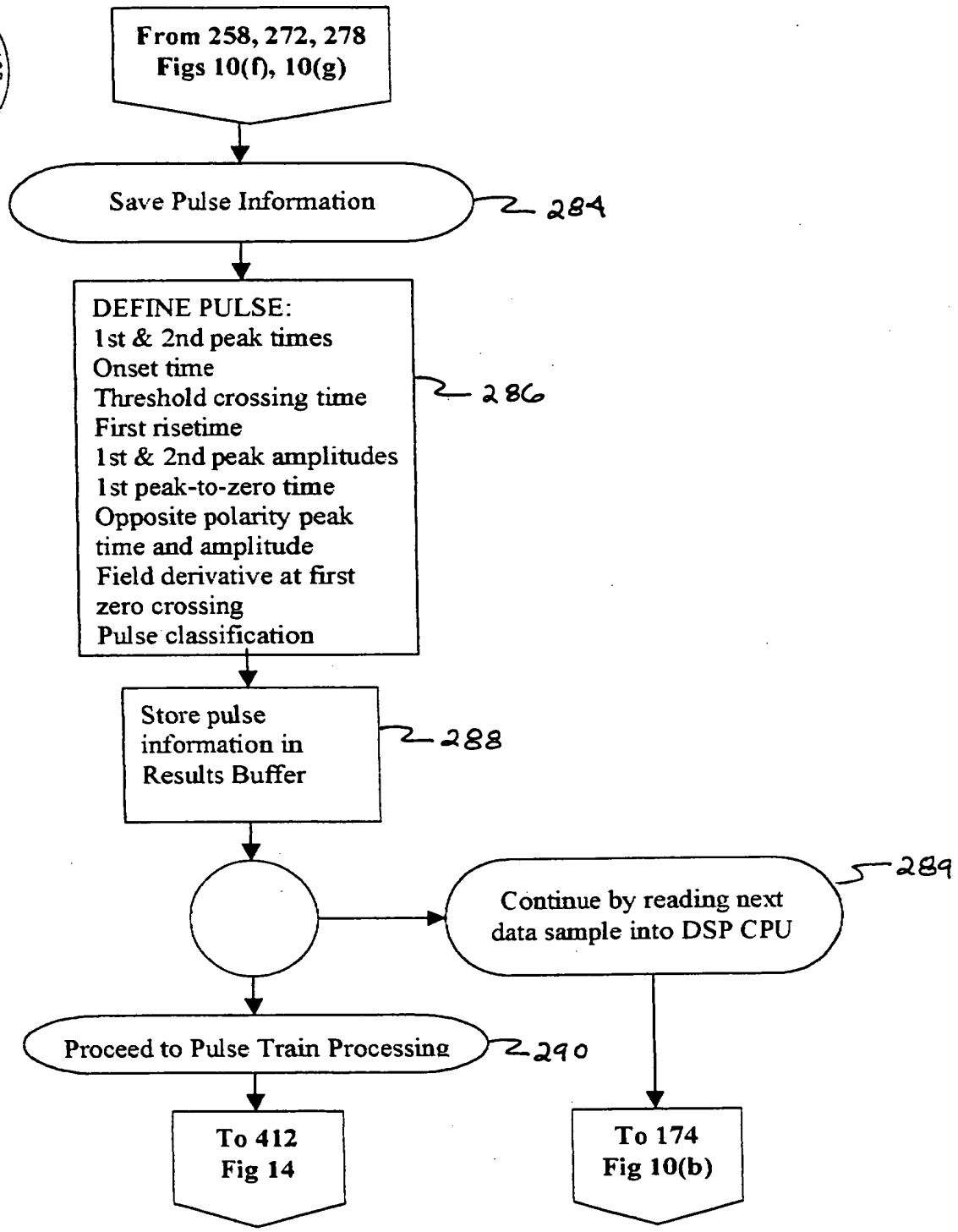


Fig. 10(h)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

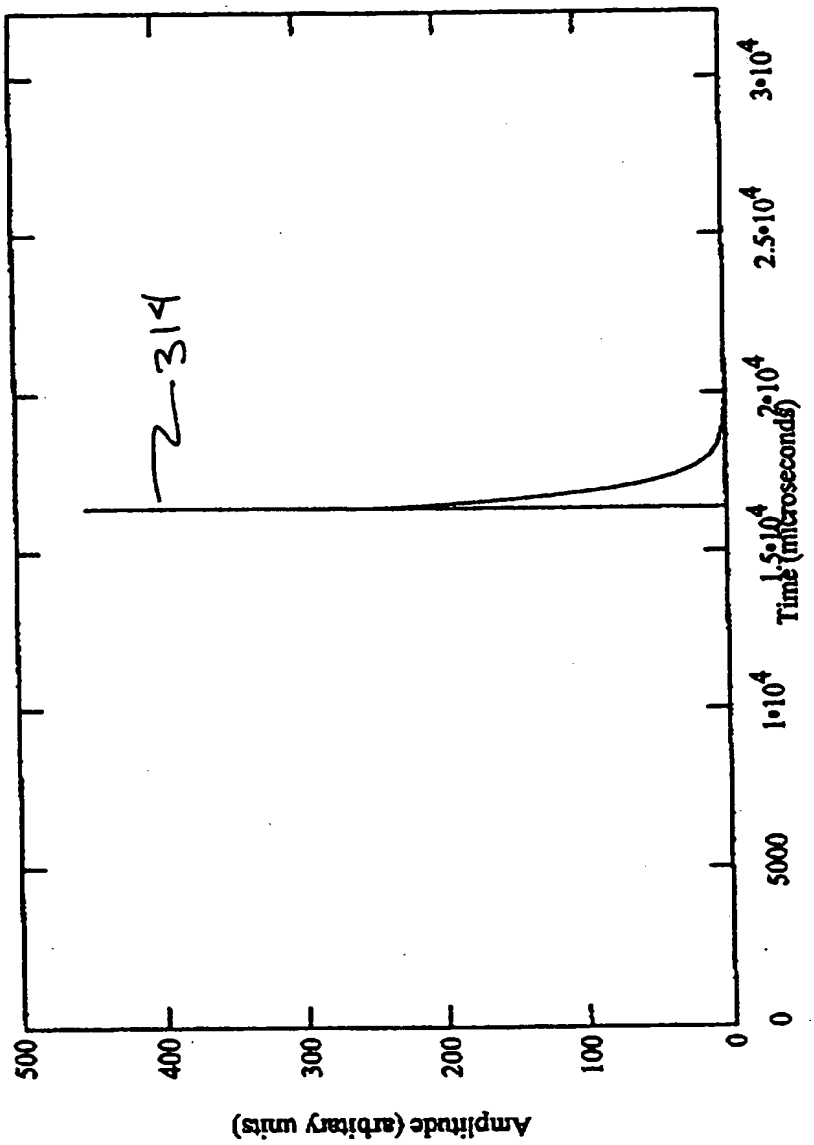


FIG. 11

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
JC185

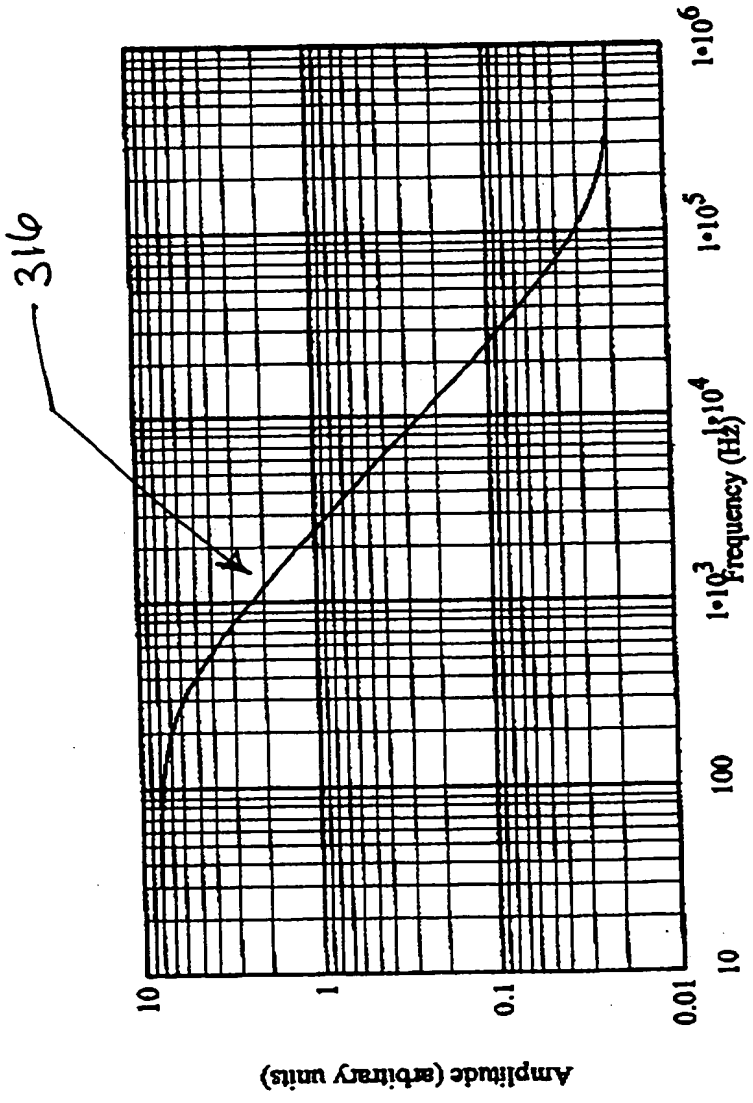


FIG. 12

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
JC185

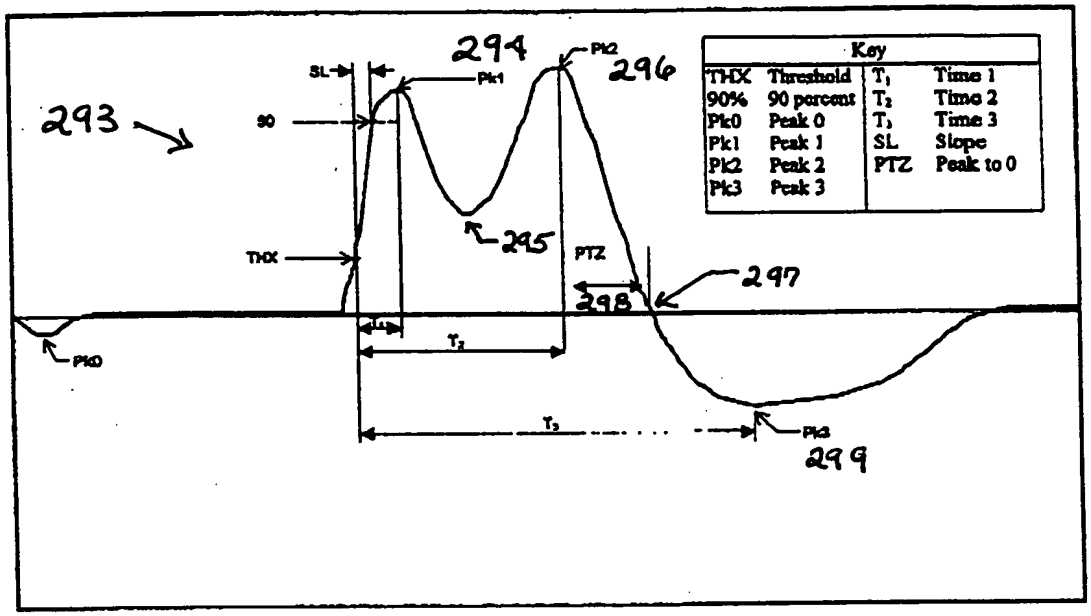


FIG. 13

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

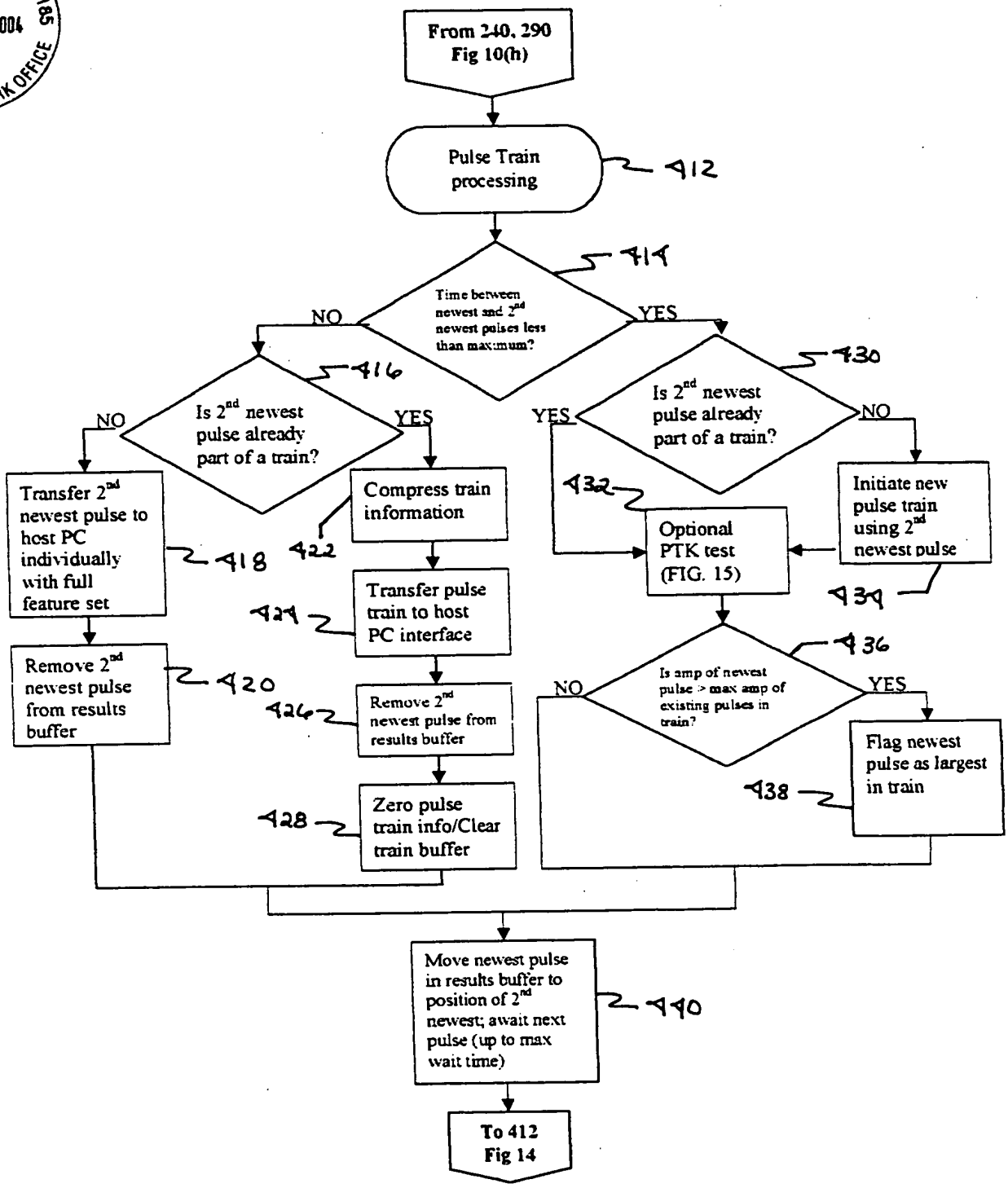


Fig. 14

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

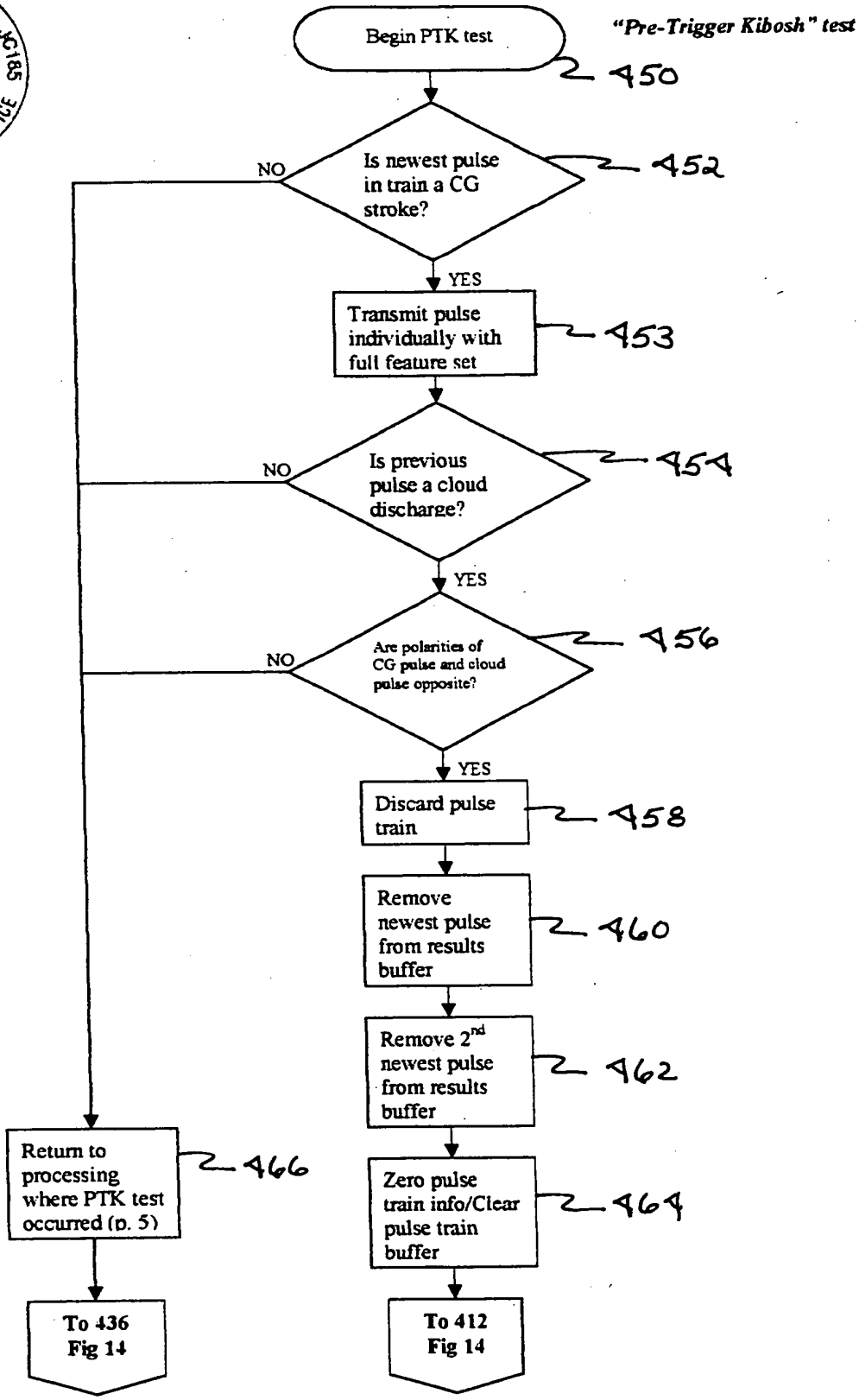


Fig. 15

OIPE JC185 MAY 10 2004 PATENT & TRADEMARK OFFICE

Fig. 16

PULSE (470)	TIME (FRAC. OF SEC.) (472)	TIME (MICROSECONDS) (474)	AMPLITUDE (COUNT) (476)
1 (471)	0.000500	500	4400
2 (473)	0.000630	630	5100
3	0.000800	800	2900
4	0.000840	840	5000
5	0.000990	990	2900
6	0.001060	1060	2500

Fig. 17

COMPLETE REPRESENTATIONS -	DECIMAL	HEXADECIMAL
PULSE1 TIME (TO SECOND):	997056000	3B6DDE00
471 FRACTION OF SECOND:	10000 (480)	2710 (482)
AMPLITUDE:	4400	1130 (484)
ANGLE:	359.99°	7FFF (486)
CLASSIFICATION:	CLOUD	1 (488)

Fig. 18

492 HEX: 3 B 6 D D E 0 0 (490)
BIN: 0011 1011 0110 1101 1101 1110 0000 0000
COMMENT: ←TIME TO THE SECOND→

492 HEX: 0 0 8 9 C 5 3 (490)
BIN: 0000 0000 0001 1000 1001 1100 0101 0011
COMMENT: ←FRACTION OF SECOND→ ←AMPLITUDE
FLAG TO INDICATE THAT AMPLITUDES ARE INCLUDED

492 HEX: E C F F F F (490)
BIN: 0011 1100 1111 1111 1111 1111
COMMENT: AMPLITUDE→ ←ANGLE→ ←CLASSIFICATION (1=CLOUD; 0=CG)

OIPE
MAY 1 0 2004
PATENT & TRADEMARK OFFICE
JC185

Fig. 19

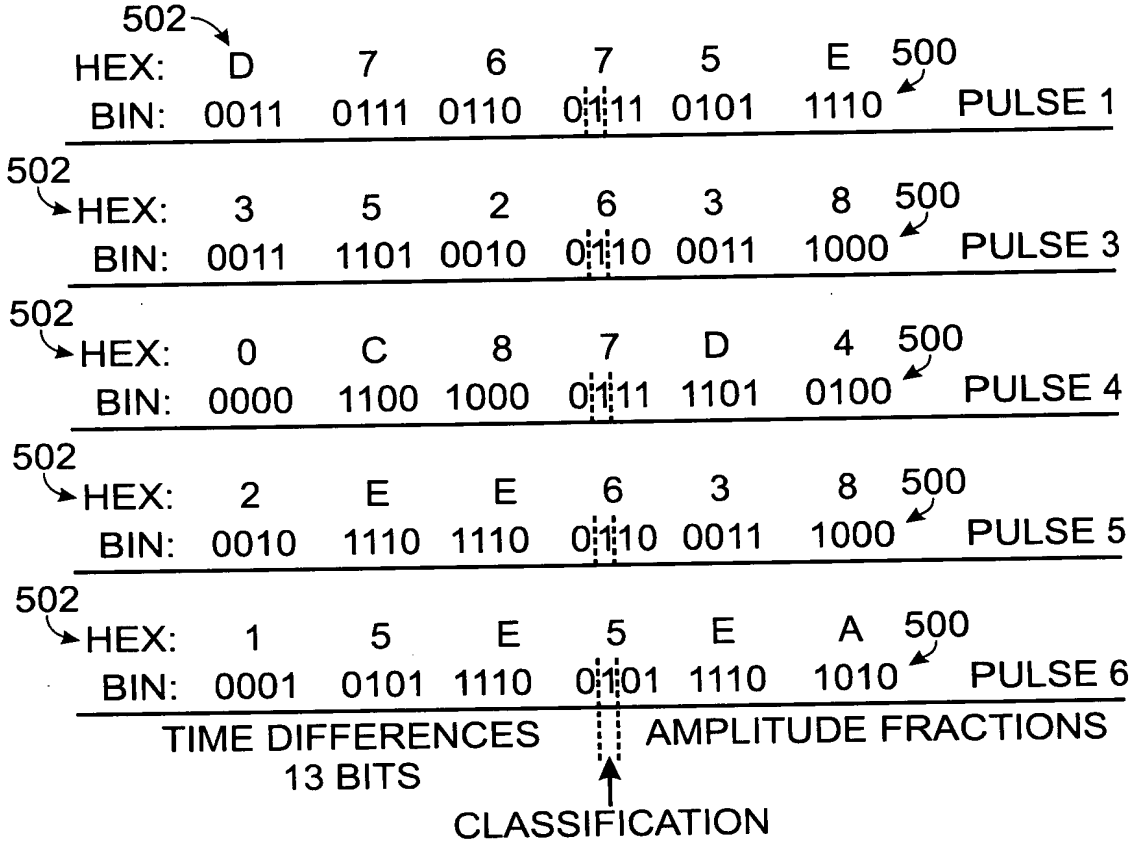
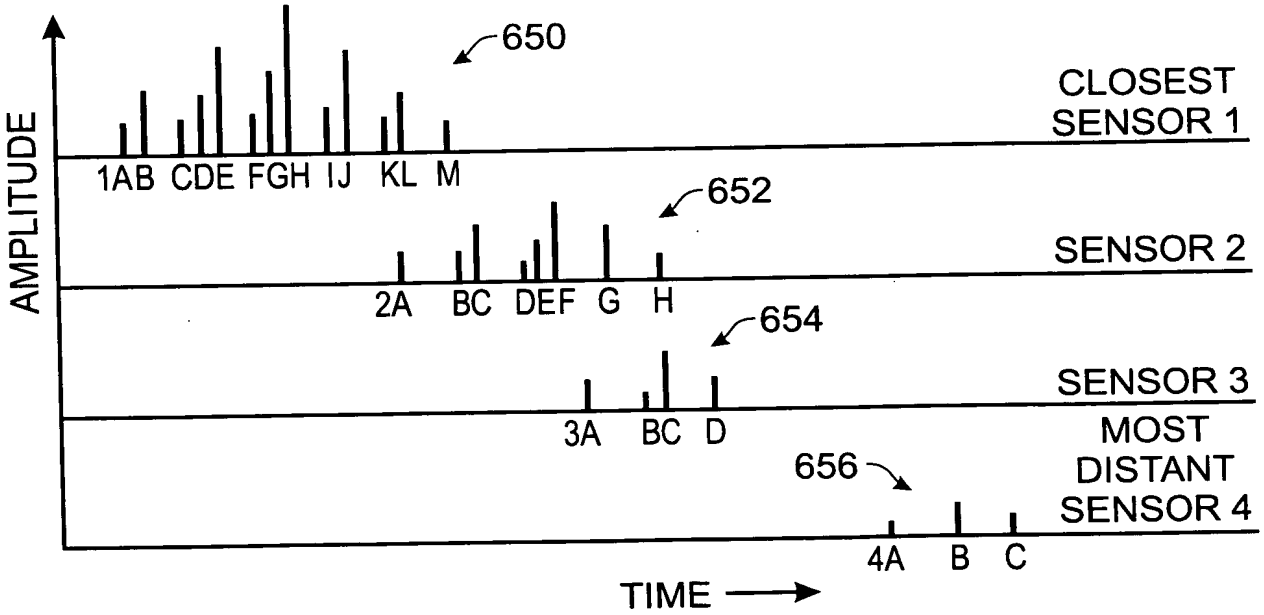


Fig. 22



OIPE
MAY 1 0 2004
PATENT & TRADEMARK OFFICE

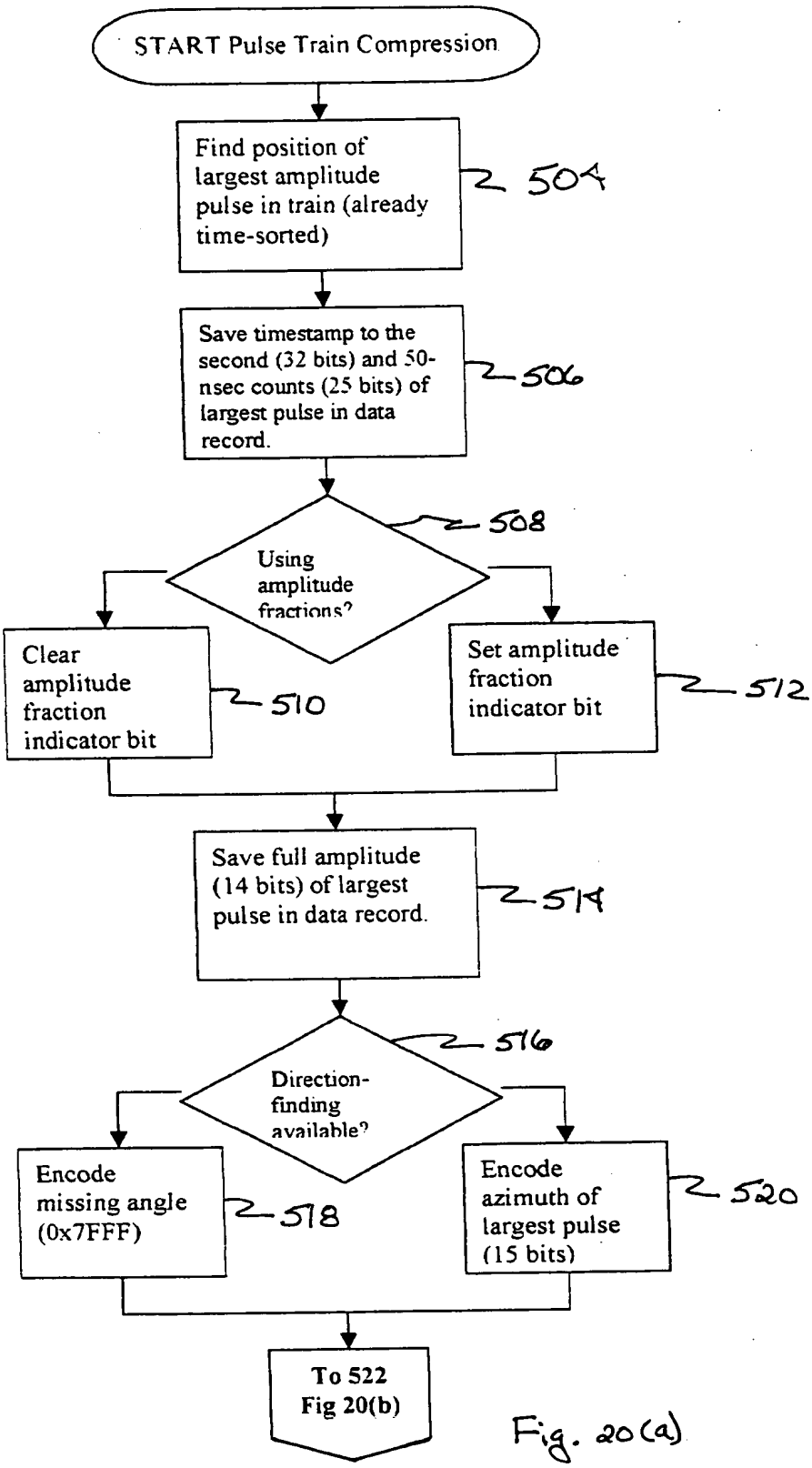


Fig. 20(a)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

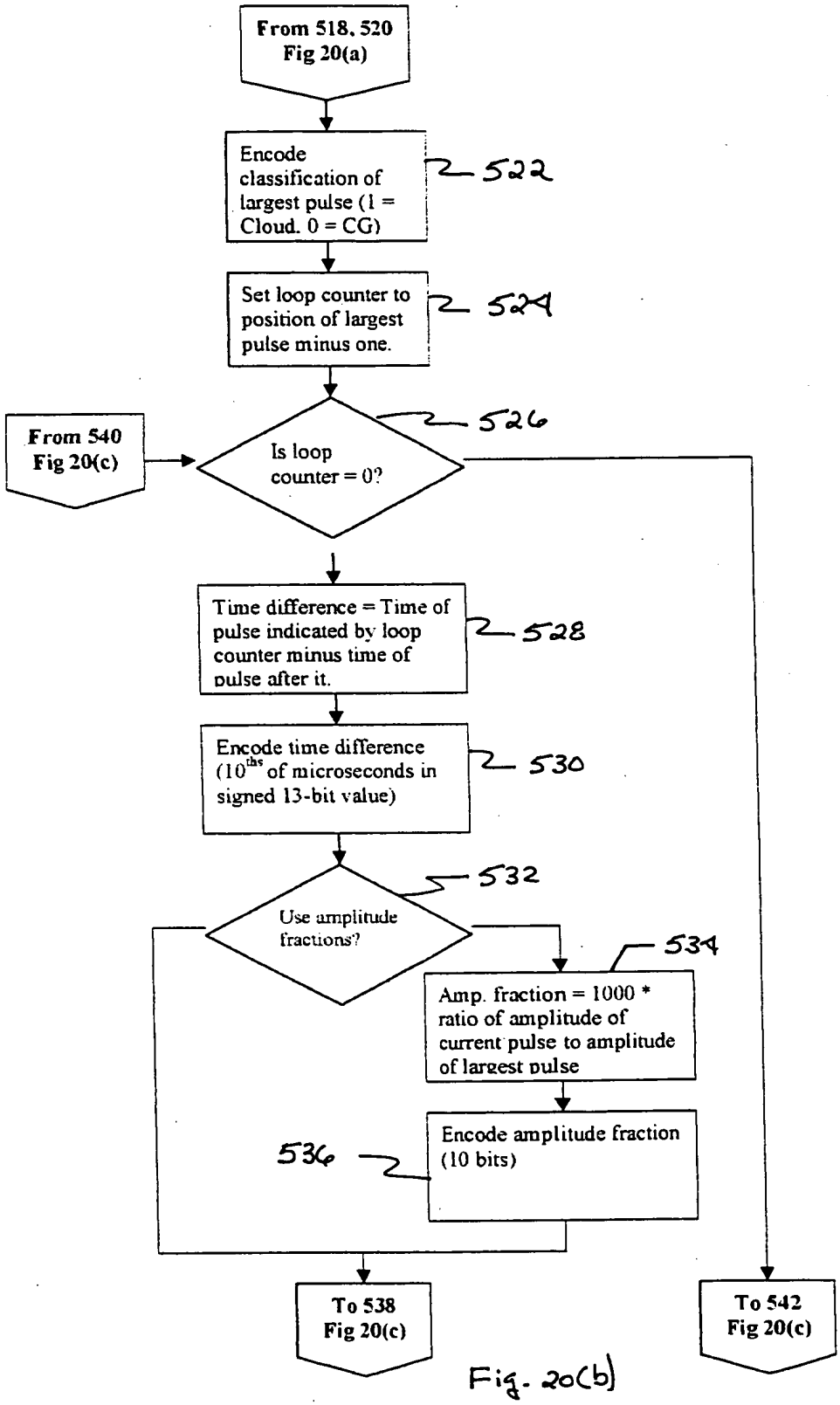


Fig. 20(b)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

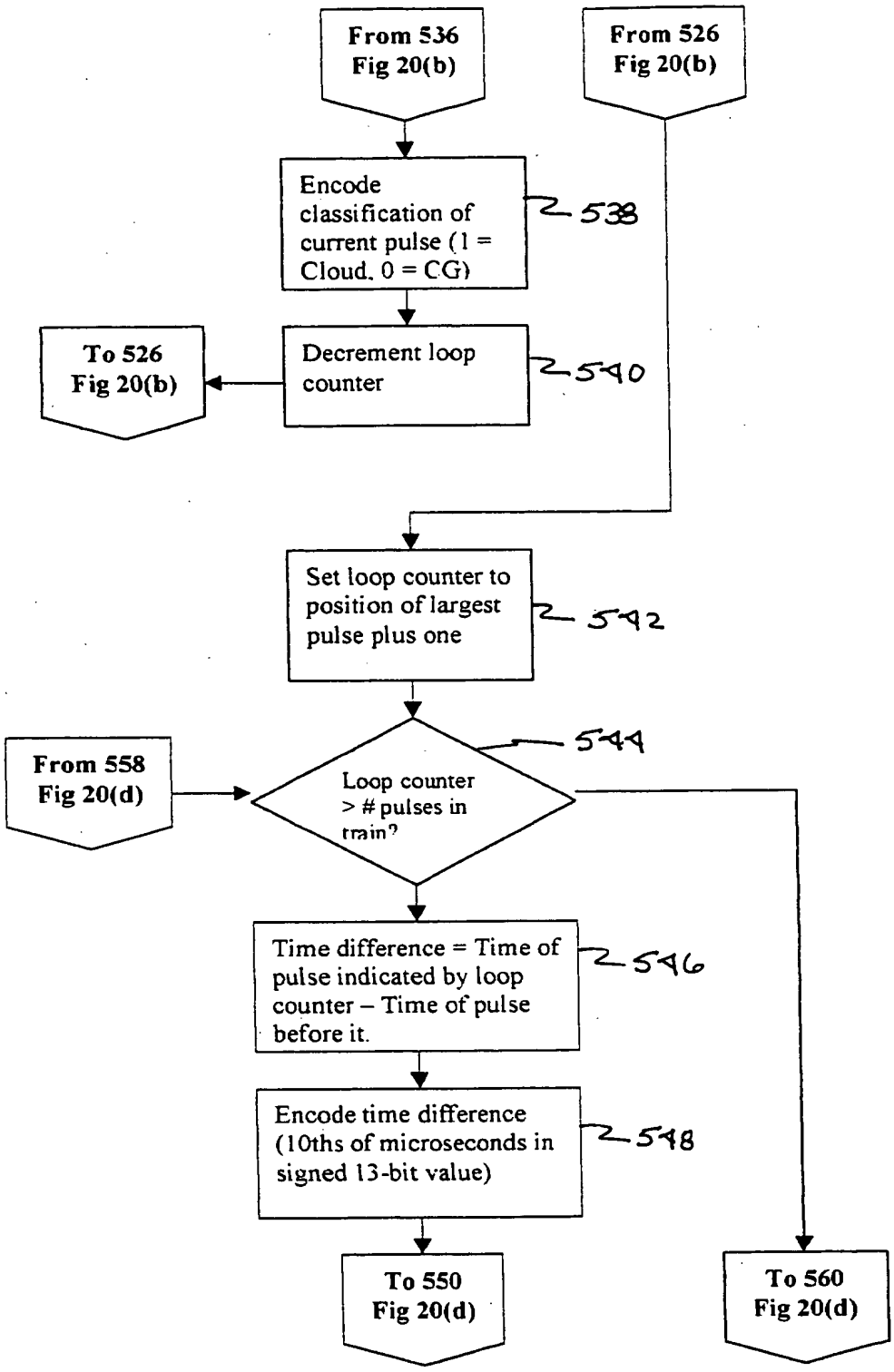


Fig. 20(c)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
JC185

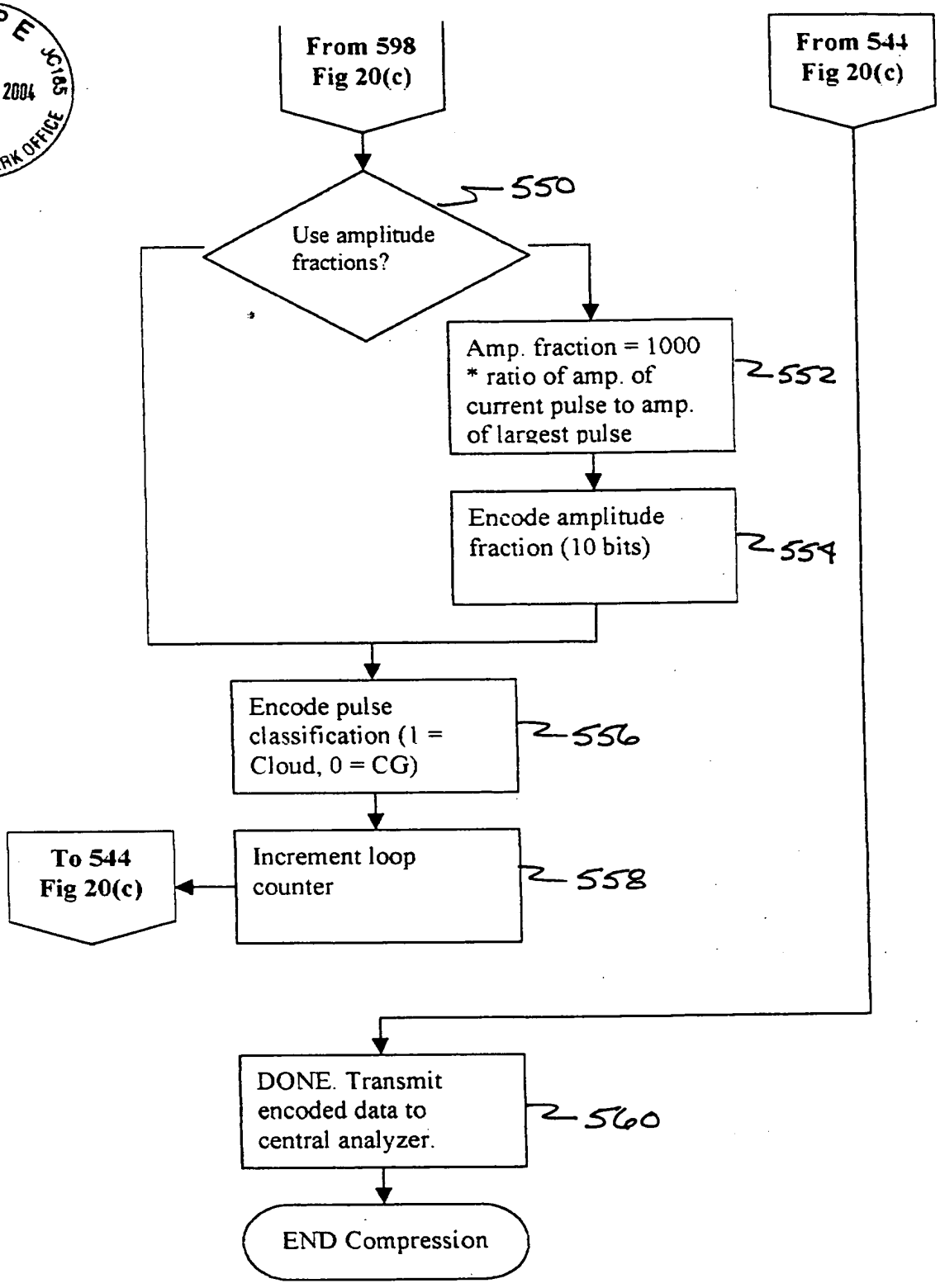


Fig. 20(d)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

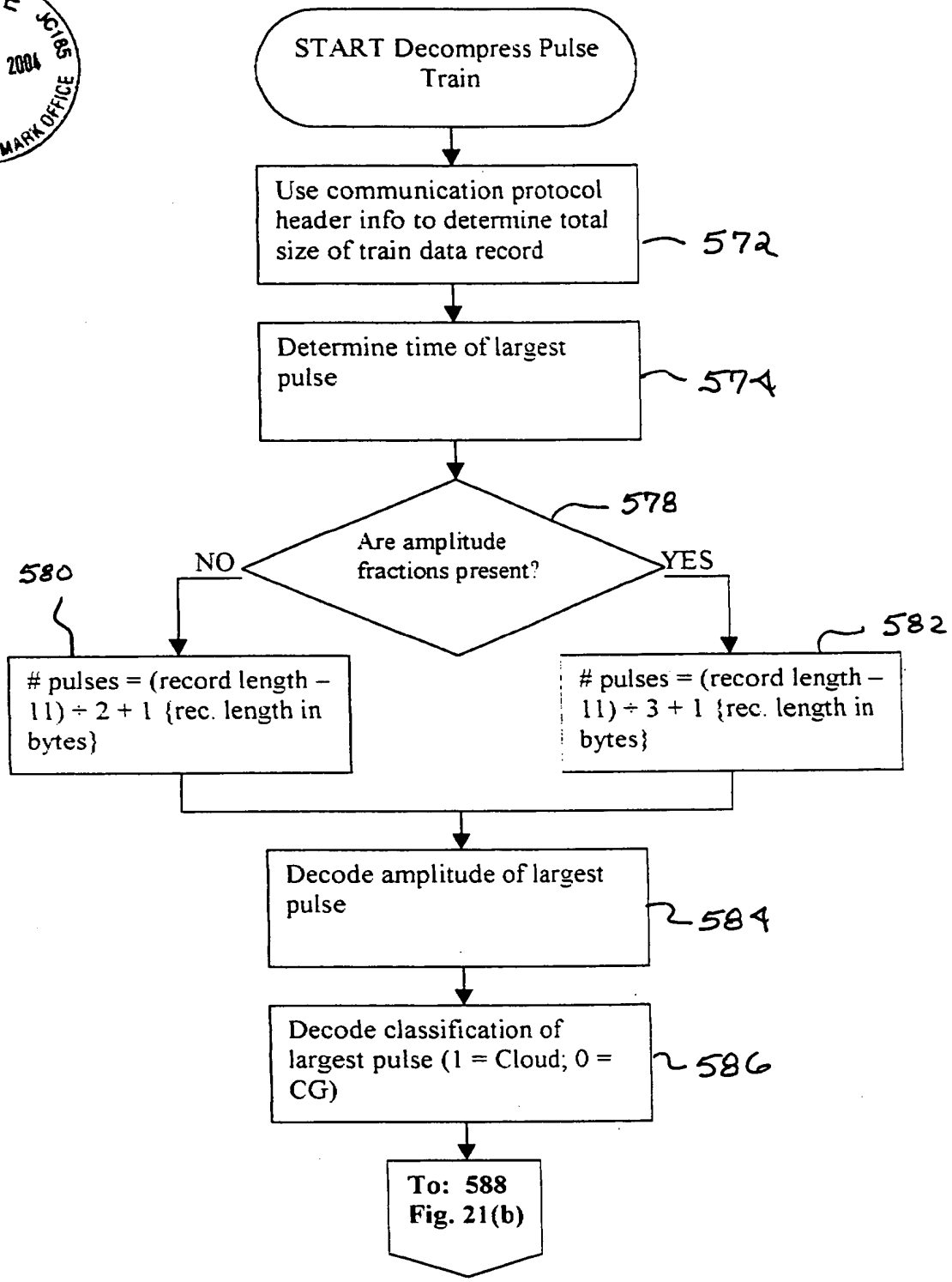


Fig. 21(a)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE
KC185

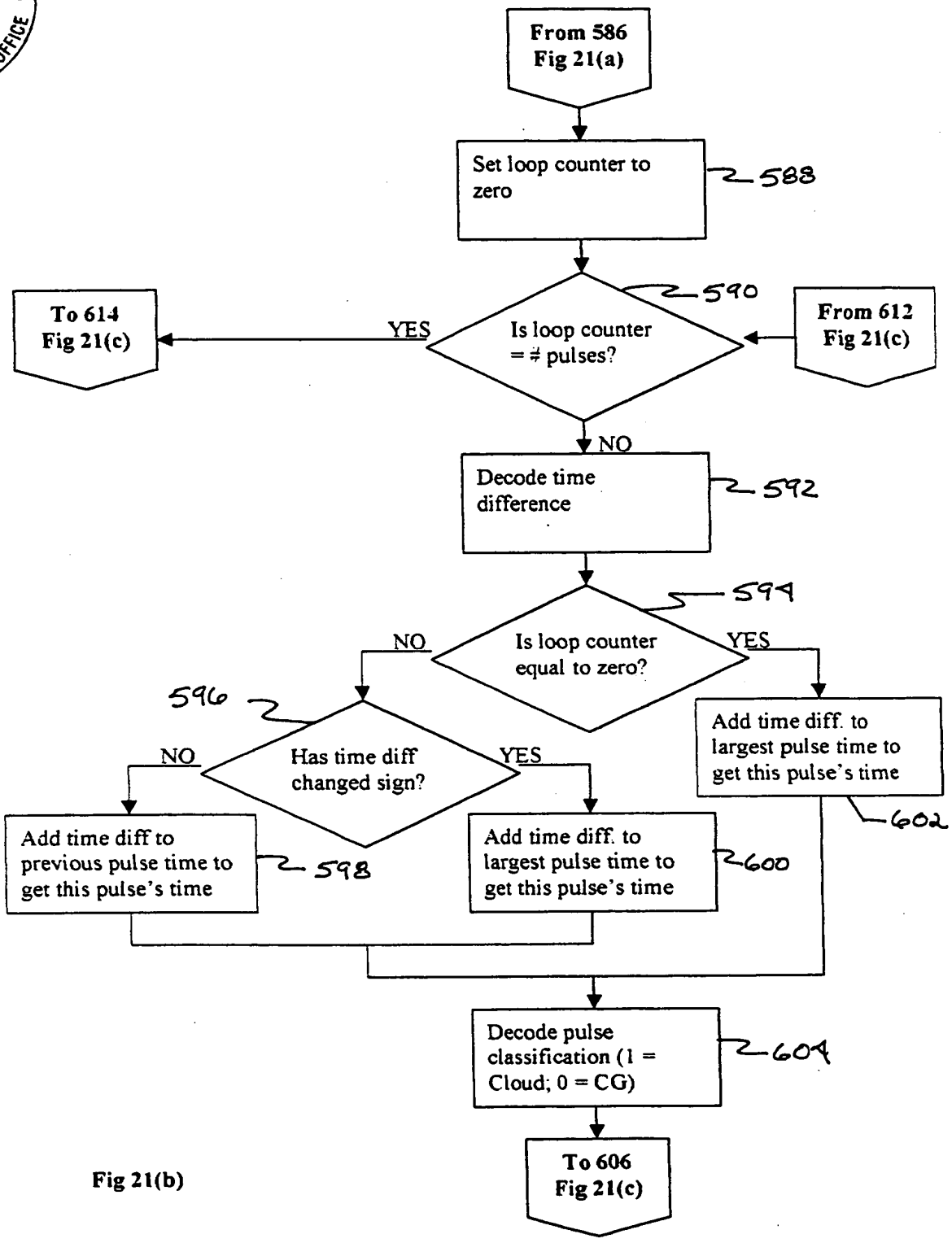


Fig 21(b)

OIPE JC185
MAY 10 2004
PATENT & TRADEMARK OFFICE

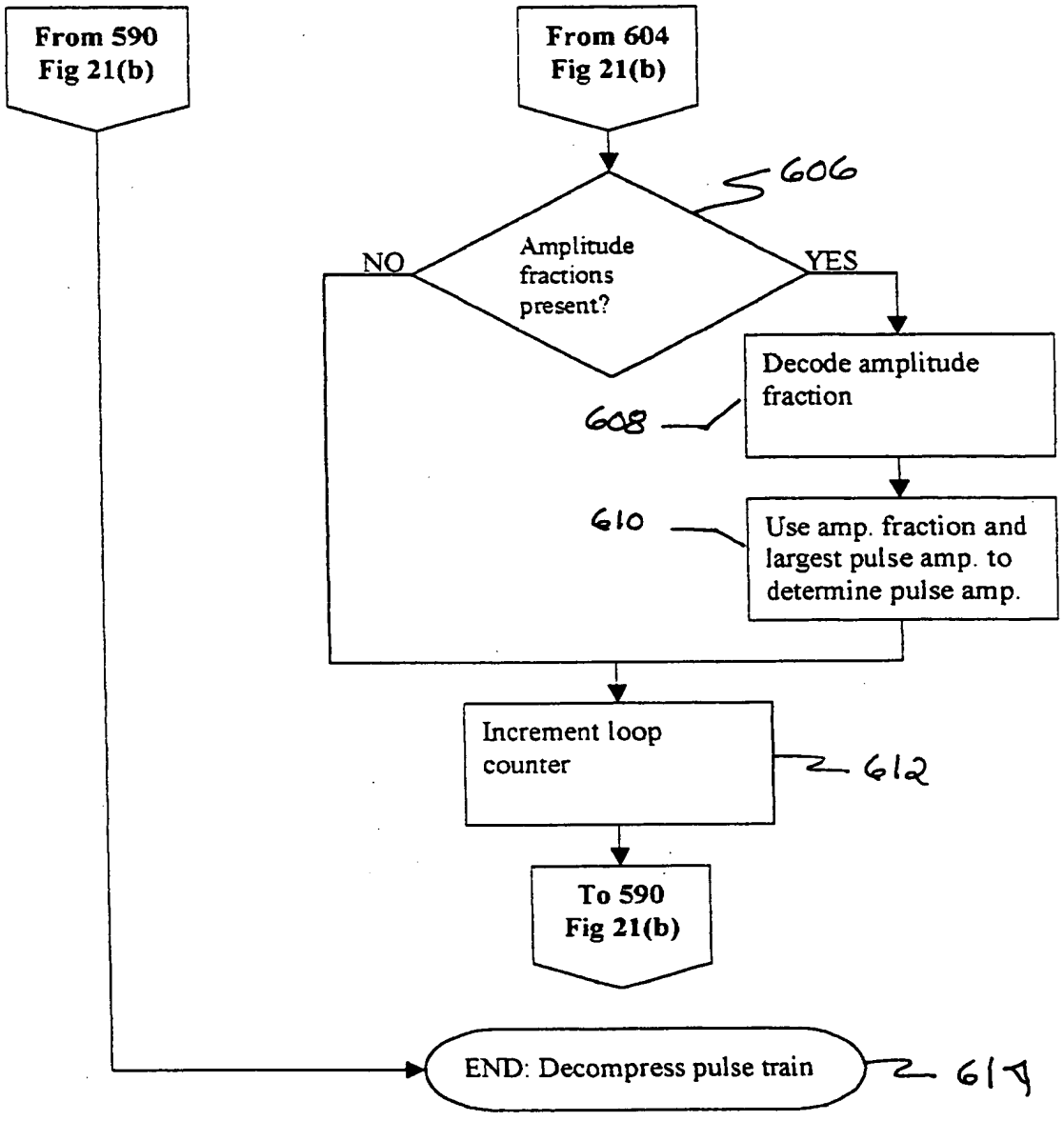


Fig 21(c)

OIPE
MAY 10 2004
PATENT & TRADEMARK OFFICE

Fig. 23

DECREASING MAGNITUDE

SENSOR1	SENSOR2	SENSOR3	SENSOR4
1H	2F	3C	4B
1J	2C	3D	4C
1E	2C	3A	4A
1G	2E	3B	
1B	2A		
1L	2H		
1D	2B		
1F	2D		
1A			
1C			
1I			
1K			
1M			

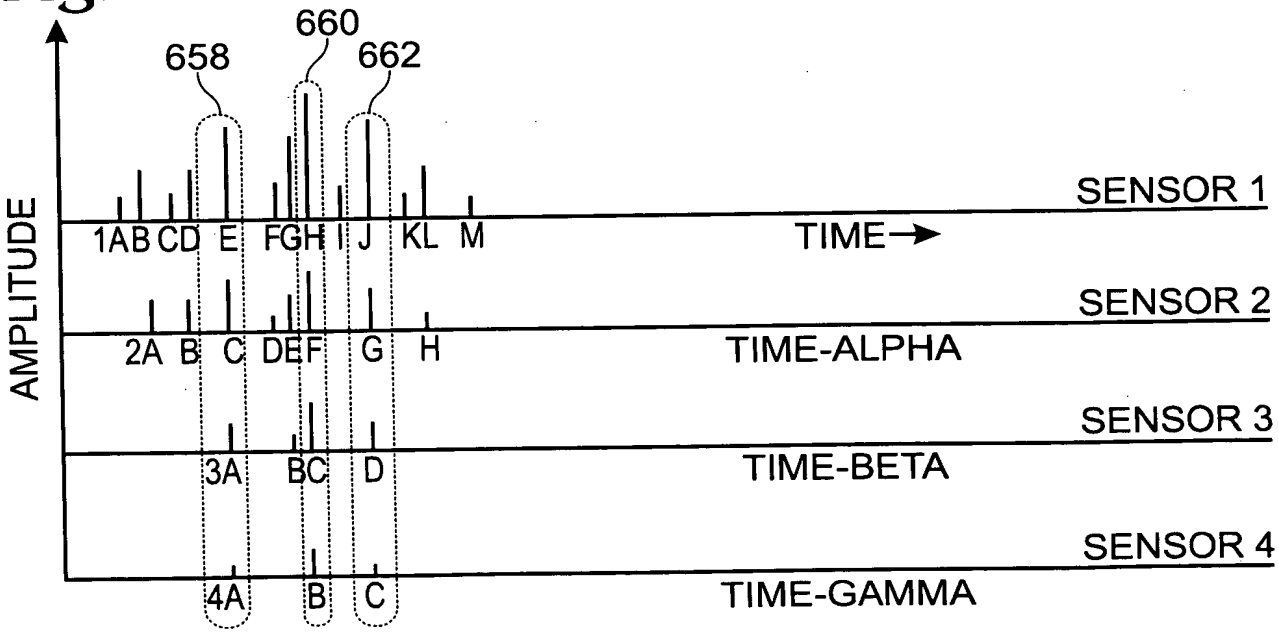



Fig. 24